Application Number: 09/841,705

Art Unit: 1711

## Amendments to the Claims

This listing of Claims replaces all prior versions and listings of Claims in the application:

## Amendments to the Claims

1. (Currently amended) A polymeric material comprising alternate substituted fluorene and phenylene units, as represented by the following formula

$$R_3$$
 $R_3$ 
 $R_4$ 
 $R_1$ 
 $R_2$ 

wherein  $R_1$  and  $R_2$  which may be identical or different, are each H, a ( $C_1$ - $C_{22}$ ) linear or branched alkyl, alkoxy or oligo (oxyethylene) group, a ( $C_6$ - $C_{30}$ ) cycloalkyl group, or an unsubstituted or substituted aryl group; wherein  $R_3$  and  $R_4$ , which may be identical or different, are each [[an]]a linear or branched octoxyl group; and wherein n is from about 3 to about 5000.

- 2. (canceled)
- 3. (canceled)

Application Number: 09/841,705

Art Unit: 1711

3

- 4. (Previously presented) The polymeric material according to claim 1 wherein n is from about 5 to about 1000.
- 5. (Previously presented) The polymeric material according to claim 1 which emits visible light having a wavelength of between 350 and 550 nm.
- 6. (Previously presented) The polymeric material according to claim 5 which emits visible light having a wavelength of about 430 nm.
- 7. (original) A light emitting diode comprising a polymeric material in accordance with claim 1.
- 8. (Previously presented) The light emitting diode according to claim 7 having an anode layer, a polymer layer comprising a polymeric material in accordance with claim 1, and a metal cathode layer.
- 9. (Previously presented) The light emitting diode according to claim 7 having an additional hole transporting layer between the anode layer and the polymer layer.
- 10. (Previously presented) The light emitting diode according to claim 9 wherein the transporting layer includes polyvinylcarbazole.
- 11. (Previously presented) The light emitting diode according to claim 9 having an additional hole injection layer between the hole transporting layer and the polymer layer.
- 12. (Previously presented) The light emitting diode according to claim 11 wherein the hole injection layer comprises copper phthalocyanine.
- 13. (Previously presented) The light emitting diode according to claim 11 wherein the hole injection layer comprises polyaniline.

**Art Unit: 1711** 

- 14. (original) A full color display incorporating a polymeric material in accordance with claim 1.
- 15. (Previously presented) The full color display incorporating a light emitting diode in accordance with claim 7.
- 16. (Previously presented) The polymeric material according to claim 1 made in accordance with a Suzuki coupling process.
- 17. (Previously presented) The polymeric material according to claim 16 wherein the monomers are 2,7-diboronates of 9,9-disubstituted fluorenes and 1,4-dibromo-2,5-dioctoxylbenzene.
- 18. (Previously presented) The polymeric material according to claim 16 wherein the monomers are prepared using Grignard reagents.
- 19. (canceled)
- 20. (canceled)
- 21. (previously presented) A polymeric material comprising Poly[(9,9-dihexyl-2,7-fluorene)-*alt-co-*(2,5-dioctoxyl-1,4-phenylene)].
- 22. (Previously presented) The polymeric material according to claim 21 comprising alternate substituted fluorene and phenylene units, as represented by the following formula

 $-(9,9-dihexyl-2,7-fluorene)-alt-co-(2,5-dioctoxyl-1,4-phenylene)_n-;$ 

wherein n is from about 3 to about 5000.